

Linux Plumbers Conference 2024



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Kernel Memory Management MC

Memory management has become exciting again. Some controversial subjects which might merit discussion:

- Should we add memory policy zones?
- How far should we go to support CXL?
- How do we handle page allocation in a memdesc world?
- Should we switch the slab allocator from partial slabs to sheaves?
- Can we get rid of non-compound multi-page allocations?
- What other improvements might we see from mTHP?
- How might we make allocations guaranteed to not fail?
- Can we share the pagecache between reflinked files?
- Is there a better way to share page tables between processes than hugetlb? -

Primary authors: WILCOX, Matthew (Oracle); BABKA, Vlastimil (SUSE Labs)

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